UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/645,313	08/20/2003	Douglas Stevenson	24463-09893	7617

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EXAMINER
SHECHTMAN, CHERYL MARIA

ART UNIT	PAPER NUMBER
2163	

DATE MAILED: 05/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	10/645,313	STEVENSON ET AL.
	Examiner	Art Unit	
	Cheryl M. Shechtman	2163	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>15 March 2006</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-82</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-82</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>22 April 2005</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>4/22/05, 6/27/05</u>.

4)☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

1.   This communication is in response to the Request for Continued Examination

filed March 15, 2006. Claims 1-82 are pending. Claims 1, 18, 21, 26, 27, 29, 30, 41, 52,

63, and 66-82 are amended.

Response to Arguments

2.   Applicant's arguments filed with respect to claims 1-82 have been fully

considered but they are not persuasive.

Referring to claim 21, Applicant argues that Walker fails to disclose transmitting

additional information from the reference database when a pointer moves over the

structured datum. However, Examiner respectfully disagrees. Walker teaches

transmitting additional information such as hyperlink indication to a display screen, the

hyperlink indication corresponding to address information for any data pattern obtained

from the preference database (page 32, line 26 – page 33, line 2; page 37, line 29 –

page 39, line 13). Furthermore, Walker discloses that the information is displayed when

the user places a pointer over the structured datum, i.e. data pattern content in the

electronic file (page 32, line 26 – page 33, line 2). As such, Examiner maintains that

Walker discloses transmitting additional information from the reference database when

a pointer moves over the structured datum.

The rejections of claims 1-20 and 22-82 are also maintained for the reasons

stated above with respect to claim 21.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3.   Claims 1-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 recites the limitation "the identified structured datum" in the fifth para. of the claim. There is insufficient antecedent basis for this limitation in the claim.

Due to the 35 USC 112 rejections, the claims have been interpreted as best understood by the examiner.

Claim Rejections - 35 USC § 102

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

4.   Claims 1-15, 19-38, 41-49, and 52-60, 62-77, and 79-82 are rejected under 35 U.S.C. 102(b) as being anticipated by EPO publication WO 01/86390 A2 by Walker et al (hereafter Walker).

Referring to claim 1, Walker discloses a system for augmenting data from a source data file with data from a reference database to generate an augmented data file (Abstract; page 5, line 1 – page 6, line 5), comprising:

-      a reference database including at least one reference datum (preference database contains data patterns, page 11, lines 11-13);

- a handler component configured to retrieve a source data file including at least one structured datum (electronic file content including data patterns is accessed from a link, page 5, lines 1-10; page 10, lines 23-28, Fig. 1, element 16; page 11, lines 8-19);

- a locator component configured to locate the structured datum in the source data file (matching pattern from preferences database is located, page 10, line 28 – page 11, line 16, Fig. 1, element 18; page 16, lines 13-18; page 19, lines 17-25); and

- an analyzer component configured to associate the identified structured datum to the one reference datum to create an association according to an analyzing strategy (matching pattern is associated with a network resource, page 10, lines 23 – page 11, line 7; Fig. 1, elements 12 and 22; page 16, lines 18-22; page 19, lines 17-25);

- a generating component configured to:

  o generate a hyperlink based upon the association (page 5, lines 11-17; page 11, lines 14-19); and

  o embed the association of the structured datum to the reference datum in the source data file to create an augmented data file (hyperlink to network resource inserted into electronic file, page 11, lines 1-19, Fig. 1, element 22; page 16, lines 22-26); and

  o a communication component configured to transmit additional information from the reference database according to the association in response to a

pointer being over the structured datum, the additional information being

simultaneously displayable in an area proximate to the structured datum

(indication of hyperlink displayed within 'onMouseover' tag adjacent to

matching data pattern in accordance with preferences database, page 32,

line 26 – page 33, line 2; page 37, line 29 – page 39, line 13).

Referring to claim 21, Walker discloses a method of augmenting data from a

source data file with data from a reference database (Abstract; page 5, line 1 – page 6,

line 5), the method comprising:

- retrieving at least one data file including at least one structured datum from a

    first address (electronic file including content is accessed from a link, page 5,

    lines 1-10; page 10, lines 23-28, Fig. 1, element 16);

- identifying the structured datum (electronic content including data patterns .

    within file identified, page 11, lines 8-19; page 16, lines 10-14; page 19, lines

    17-25);

- locating reference datum from a reference database according to the

    identified structured datum (matching pattern from preferences database is

    located, page 10, line 28 – page 11, line 16, Fig. 1, element 18; page 16, lines

    13-18; page 19, lines 17-25);

- generating an association of the reference datum to the structured datum a

    (page 5, lines 11-17; page 11, lines 14-19);

- augmenting the data file with the generated association to create an

augmented file (hyperlink to network resource inserted into electronic file,

page 11, lines 1-19, Fig. 1, element 22; page 16, lines 22-26);

- storing the augmented data file at a second address for subsequent display of

the augmented file (page 16, lines 10-26) in response to a request for the

data file (request for source file or content, see Walker, Abstract; page 10,

lines 23-28, Fig. 1, element 14; page 16, lines 10-13; page 18, lines 16-30);

and

- responsive to a pointer being over the structured datum, transmitting

additional information from the reference database according to the

association, the additional information being simultaneously displayable in an

area proximate to the structured datum (indication of hyperlink displayed

within 'onMouseover' tag adjacent to matching data pattern in accordance

with preferences database, page 32, line 26 – page 33, line 2; page 37, line

29 – page 39, line 13).

Referring to claim 41, Walker discloses a system for associating data in a

reference database with structured data in a source data file (Abstract; page 5, line 1 –

page 6, line 5), comprising:

- means for reading a structured datum from the source database (electronic

file is accessed, page 10, lines 23-28, Fig. 1, element 16; electronic content

including data patterns, page 11, lines 8-19; page 16, lines 10-14; page 19,

lines 17-25);

- means for locating a reference datum in a reference database corresponding

to the read structured datum (matching pattern from preferences database is

located, page 10, line 28 – page 11, line 16, Fig. 1, element 18; page 16, lines

13-18; page 19, lines 17-25);

- means for generating an association of the reference datum to the structured

datum (matching pattern is associated with a network resource, page 10,

lines 23 – page 11, line 7; Fig. 1, elements 12 and 22; page 16, lines 18-22;

page 19, lines 17-25); and

- means for augmenting the source data file with the generated association

(hyperlink to network resource inserted into electronic file, page 11, lines 1-

19, Fig. 1, element 22; page 16, lines 22-26); and

- means for transmitting additional information from the reference database

according to the association in response to a pointer being over the structured

datum, the additional information being simultaneously displayable in an area

proximate to the structured datum (indication of hyperlink displayed within

'onMouseover' tag adjacent to matching data pattern in accordance with

preferences database, page 32, line 26 – page 33, line 2; page 37, line 29 –

page 39, line 13).

Referring to claim 30, the limitations of the claim repeat the respective limitations

of claim 41 above in the form of a method of augmenting structured data stored in a

source data file with unstructured data stored in a reference database (see Walker,

Abstract; page 5, line 1 – page 6, line 5).

Referring to claim 52, the limitations of the claim repeat the limitations of claim 41

above in the form of a computer software program (see Walker, Abstract; page 21, lines

24-28), and are therefore rejected for the same reasons discussed in claim 41.

Referring to claim 63, the limitations of the claim repeat the limitations of claim 1

above in the form of a computer software program for augmenting data from a source

data file with data from a reference database to generate an augmented data file (see

Walker, Abstract; page 21, lines 24-28), and are therefore rejected for the same

reasons discussed in claim 1.

Referring to claims 2-4, 22, 23, 31, 32, 42, 43, 53, 54, and 64-66, Walker

discloses that the source data file is stored on at an address on a network, wherein the

network is the Internet (page 18, lines 7-24; page 19, lines 7-8).

Referring to claims 6, 25, 33, 44, 55, and 68, Walker discloses that locating the

reference datum includes locating a uniform resource locator address (page 20, line 24

– page 21, line 11).

Referring to claims 7, 34, 45, 56, and 69, Walker discloses that locating the uniform resource locator address includes locating the uniform resource locator address for an advertisement (page 4, lines 15-20).

Referring to claims 8 and 70, Walker discloses generating a second identifier associated with the first uniform resource locator address (page 10, lines 23 – page 11, line 7; Fig. 1, elements 12 and 22; page 16, lines 18-22; page 19, lines 17-25).

Referring to claims 10 and 72, Walker discloses that the first uniform resource locator address is further associated with a user-friendly descriptor (page 11, lines 1-19, Fig. 1, element 22; page 16, lines 22-26).

Referring to claim 15, Walker discloses that the analyzer component is further configured to associate the first uniform resource locator address with the first text string (page 11, lines 1-19, Fig. 1, element 22; page 16, lines 22-26).

Referring to claim 26, Walker discloses that generating an association includes associating the structured datum to a uniform resource locator address (page 10, lines 23 – page 11, line 7; Fig. 1, elements 12 and 22; page 16, lines 18-22; page 19, lines 17-25).

Referring to claims 35, 46, and 57, Walker discloses locating a reference datum in a reference database corresponding to the read structured datum and wherein corresponding includes corresponding according to an analyzing strategy (page 10, line 28 – page 11, line 16, Fig. 1, element 18; page 16, lines 13-18; page 19, lines 17-25).

Referring to claims 11, 13, 14, 36, 47, 58, 73, and 75, Walker discloses locating a first text string in the structured datum and matching a second text string in the reference datum (page 16, line 27 – page 17, line 6).

Referring to claims 12, 37, 48, 59, and 74, Walker discloses locating a first keyword in the structured datum to correspond to a second key word in the reference datum (page 16, line 27 – page 17, line 6).

Referring to claims 9, 38, 49, 60, and 71, Walker discloses generating a first identifier to the structured datum and locating a second identifier in the reference datum matching the first identifier (page 12, lines 9-30), and associating the first uniform resource locator address with the structured datum (page 10, lines 23 – page 11, line 7; Fig. 1, elements 12 and 22; page 16, lines 18-22; page 19, lines 17-25).

Referring to claims 19 and 81, Walker discloses saving the augmented file at a desired second uniform resource locator address (page 28, lines 1-10).

Referring to claims 20 and 82, Walker discloses displaying the augmented data file when directed to the source data file (page 11, lines 1-19, Fig. 1, element 24; page 16, line 27 – page 17, line 6; page 19, lines 17-25).

Referring to claim 62, Walker discloses retrieving a natural language text from the structured datum (page 16, lines 15-17).

Referring to claims 5, 24, and 67, Walker discloses that the structured datum includes a formatted webpage (page 19, lines 26-29; page 22, lines 12-16).

Referring to claims 76 and 77, Walker discloses an analyzing strategy that includes matching the first text string with the second text string (page 12, lines 9-30) and further associating the first resource locator address with the first text string (page 10, lines 23 – page 11, line 7; Fig. 1, elements 12 and 22; page 16, lines 18-22; page 19, lines 17-25)

Referring to claims 27 and 80, Walker discloses that the additional information comprises a hyperlink and a user-friendly descriptor, the user-friendly descriptor being associated with the associated first uniform resource locator address (page 16, lines 22-26; Walker, page 32, line 26 – page 33, line 2; page 37, line 29 – page 39, line 13).

Referring to claims 28 and 29, Walker discloses that displaying the augmented

data file includes displaying the additional information simultaneously in an area

proximate to the structured datum in response to a pointer being over the structured

datum (page 32, line 26 – page 33, line 2; page 37, line 29 – page 39, line 13).

Referring to claim 79, Walker discloses that the analyzer component generates

the first identifier by means of a natural language search engine (Walker, Yahoo, page

50, line 22 – page 51, line 9).

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can

be found in a prior Office action.

5.   Claims 16-18, 39, 40, 50, 51, 61, and 78 are rejected under 35 U.S.C. 103(a) as

being unpatentable over Walker, as applied to claims 9, 38, 49, 60, and 77 respectively,

and further in view of Skillen.

Referring to claims 16, 39, 50, 61, and 78, Walker discloses all of the above

claimed subject matter, but remains silent as to generating an identifier based upon a

"fuzzy expert" search engine.

However, Skillen discloses analogous art that includes generating an identifier

based upon a "fuzzy expert" search engine (Skillen, col. 4, lines 14-25; col. 5, lines 29-

38; Fig. 2, element 40).

It would have been obvious to one of ordinary skill in the art at the time that the

invention was made to modify Walker to include generating an identifier based upon a

"fuzzy expert" search engine, as taught by Skillen.

The ordinary skilled artisan would have been motivated to modify Walker per the

above for the purpose of correlating a search argument derived from the user and

changes in the argument during a single session to particular data in a database

(Skillen, col. 4, lines 14-19).

Referring to claim 17, the combination of Walker/Skillen discloses that the

analyzer component generates the first identifier by means of a natural language search

engine (Walker, Yahoo, page 50, line 22 – page 51, line 9).

Referring to claim 18, the combination of Walker/Skillen discloses that the

additional information comprises a hypertext link and a user-friendly descriptor (Walker,

page 32, line 26 – page 33, line 2; page 37, line 29 – page 39, line 13).

Referring to claims 40 and 51, the combination of Walker/Skillen discloses

retrieving a natural language text from the structured datum (Walker, page 16, lines 15-
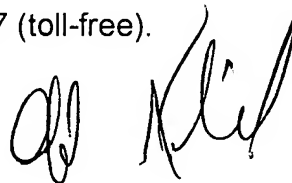
17).

Conclusion

6.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cheryl M Shechtman who can be reached on (571) 272-4018. The examiner can normally be reached on 9:00 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

May 12, 2006
CMS

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PRIMARY EXAMINER